



MPW's Mini Vacuum Unit provides an alternative to traditional vacuum systems by utilizing an increased power level and capacity.

Description and Use

The Mini Vacuum Unit is a trailer-mounted, propane-powered, wet-vacuum system. The units are set up with a reversible-airflow system for pressurized off-loading, which uses a 2-to-4-inch suction hose. The engine is a three-cylinder LP gas-powered engine. The pump, which is rotary vane and oil injected, is capable of displacement up to 360 cubic feet per minute and vacuum levels up to 27-inch Hg. The rotary vane pump is also protected by a stainless steel final filter. Vacuum/pressure gauges are located at the tank and in the final filter housing. The tank has a 12-inch primary shutoff with stainless steel ball to stop the tank from over filling. The tank inlet is 3 inches with a shutoff valve and a 4-inch cam lock. The unit is equipped with a 10-gallon secondary shutoff cyclone separator in case fluid bypasses the tank and primary shutoff. Typical uses: paint/sludge removal, machine sump cleaning and other various wet vacuuming tasks.

Features

- Trailer mounted
- Propane powered, three-cylinder engine
- Rotary vane vacuum pump with final filter
- Oil-catch silencer
- Overflow protection

Applications

- Paint booth and machining sumps
- Oil spills
- Trenches and drains





System Features

DIMENSIONS

Length	216 inches
Width	102 inches
Height	107 inches
Weight (empty trailer)	14,000 pounds

POWER

Engine	Kubota WG972-GL-E3
Fuel	Propane
Cooling Medium	Liquid
Injection	N/A
Aspiration	Natural
Number of Cylinders	3
Displacement	58.7 cubic inches
Bore	2.93 inches

POWER (CONT.)

Stroke	2.90 inches
Gross Power	31 horsepower
Rated Speed	3,600 rpm
Emissions Compliance	EPA Phase 3/ CARB Tier 3

VACUUM SYSTEM

Air Flow	360 cubic feet per minute
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SAFETY INSTRUMENTATION

Fire Extinguisher	5 pounds
Pressure Relief Valves	2 set at 10 psi
Vacuum Relief Valves	1 auto, 1 manual
Pressure/Vacuum Gauges	2

Technical Specifications

